

## *Curriculum vitae*

# **Md.Asrafuzzaman**

Research Fellow

Asian Network of Research on Antidiabetic Plants (ANRAP)

Department of Pharmacology

Bangladesh University of Health Science (BUHS)

125/1, Darus Salam, Mirpur, Dhaka-1216

Bangladesh

### **Executive Summary**



**Md.Asrafuzzaman** is a pharmacist and undertook his Bachelor of Pharmacy at Stamford University of Bangladesh and Masters of Science in Biotechnology at BRAC University. In August, 2016 Md.Asrafuzzaman was awarded an ANRAP Fellowship. He is now working as a research fellow on Asian Network of Research on Antidiabetic Plants (ANRAP), Pharmacology Department, Bangladesh University of Health Science (BUSH).

His key research skills are “DNA extraction, RNA extraction, mRNA isolation, Protein extraction, cDNA synthesis, PCR, RT-PCR, Gel Electrophoresis, Western blotting, Autoradiogram and different biochemical analysis such as measurement of Glucose, Lipid profile, Insulin, Liver glycogen, Sucrose contain in different part of GI tract, Gut perfusion and handling and caring of experimental animals as well as thin layer chromatography and column chromatography. Moreover, his interest and hobby is to play a game with science and continue his research career with diabetes and cardiovascular complications as well as he also enjoy to organize any program and to perform voluntary work. However, he need some initial time to understand any topic or issues and it is considered as his weak points but his hardworking and sincerity removes all lacking and makes him strong to face any situations.

**Name**      **Md.Asrafuzzanam**

**Address**

Asian Network of Research on Antidiabetic Plants (ANRAP)  
Department of Pharmacology  
Bangladesh University of Health Science (BUHS)  
125/1, Darus Salam, Mirpur, Dhaka-1216  
Bangladesh  
Mobile: +8801779594010  
Email: ashraf40.bph@gamil.com

**Residence**

Meherchondi (Bot tala)school para,  
P.S:Boalia, P.S:Padma residential area,  
Rajshahi, Bangladesh

**Place of birth, Citizenship, Gender and Marital status**

Rajshahi, Bangladesh  
Bangladeshi Passport number BP0340939 expiry 29.05.2022  
Gender: Male  
Unmarrid

**Degree and Qualification**

Masters of Science in Biotechnology (BRAC University, 2016)  
Bachelor of Pharmacy (Stamford University of Bangladesh, 2013)  
Higher Secondary Certificate (Aggrani School and College, 2008)  
Secondary School Certificate(Aggrani School and College, 2006)

**Research higher degree project/thesis**

Bachalor of Pharmacy.Department of Pharmacy, Stamford University of  
Bagnladesh  
Supervisor: Mohammad Zafor Imam. “Ethnomedicinal uses of plants by different  
indogenous community of Bangladesh”

Masters of Science (MS).Department of Mathmetics and Natural Sicence, BRAC  
University.  
Supervisor 01: Prof. Dr. Naiyyum Choudhury.  
Supervisor 02: Assoc Prof. Dr. Omar Faruque. “Study of GLUT-4 and AMPK  
gene expression and phosphorylation of AMPK protein in Oyster Mushroom  
treated type-2 diabetic model rats”

**Professional**

Registered Pharmacist. A-5312

**Research Training/Workshop/Conference****25-27 January, 2018**

He was participated 23<sup>rd</sup> diabetes and endocrine conference as a oral presenter organized by Bangladesh diabetes association, Bangladesh endocrine society and Bangladesh university of health sciences.

**13-15 January, 2018**

He was participated “18<sup>th</sup> international congress of international society for ethnopharmacology and 5<sup>th</sup> international congress of society for ethnopharmacology” organized by Dhaka University.

**23-27 July 2017**

He was participated a workshop as a trainer on “Chemical studies and bioassay of antidiabetic plants” organized by ANRAP, Bangladesh university of health sciences.

**22 July 2017**

He was participated 12<sup>th</sup> ANRAP national seminar on “ antidiabetic plants materials: separation techniques & biological testing” organized by ANRAP, Bangladesh university of health sciences.

**26 November- 01 December, 2016**

He was participated a training programme of NITUB as a trainee on “use, maintenance and trouble-shooting of common medical instruments” organized by NITUB.

**23-27 July, 2016**

He was participated a workshop as a trainee on “Chemical studies and bioassay of Antidiabetic plants” organized by ANRAP, Bangladesh university of health sciences.

**03-06 October, 2015**

He was participated an international conference on “ Drug discovery & development research in developing country” organized by Bangladesh university of health sciences.

**Employment- Position held (Current)**

01.08.2016 – Ongoing

Research Fellow

Asian Network of Research on Antidiabetic Plants (ANRAP)

Department of Pharmacology

Faculty of basic science

Bangladesh University of Bangladesh (BUHS)

125/1, Darus Salam, Mirpur, Dhaka-1216

Bangladesh

## **Award**

**27 January, 2018**

He was awarded as a 3<sup>rd</sup> best oral presenter in 23<sup>rd</sup> Diabetes and Endocrine Conference organized by Bangladesh diabetes association, Bangladesh endocrine society and Bangladesh university of health sciences.

**01 August, 2016**

He was awarded ANRAP Fellowship.

## **Research publication profile- Md Asrafuzzaman**

ORCID ID: [orcid.org/0000-0002-9955-8623](https://orcid.org/0000-0002-9955-8623)

Scopus ID: [ashraf40.bph@gmail.com](mailto:ashraf40.bph@gmail.com)

## **Publication in International Reviewed Journals (Data & Reviews)**

**02. M. Asrafuzzaman**, MM. Rahman, M. Mandal, M. Marzuque, A. Bhowmik, B. Rokeya, Z. Hasan, O.Faruque. Oyster mushroom powder functions as anti-hyperglycemic through phosphorylation of AMPK and increased expression of GLUT-4 mRNA in muscle and adipose tissues of type 2 diabetic model rats. ([Submitted for publication](#))

**01. M. Asrafuzzaman**, Y. Cao, R. Afroz, D. Kamato, S. Gray, P.J. Little. Animal models for assessing the impact of natural products on the aetiology and metabolic pathophysiology of Type 2 diabetes. Biomedicine & Pharmacotherapy (Elsevier) (Accepted 5<sup>th</sup> March 2017)

## **Conference Report**

**01. M. Asrafuzzaman**, MM. Rahman, M. Mandal, M. Marzuque, A. Bhowmik, B. Rokeya, Z. Hasan, O.Faruque. Oyster mushroom powder functions as anti-hyperglycemic through phosphorylation of AMPK and increased expression of GLUT-4 mRNA in muscle and adipose tissues of type 2 diabetic model rats. Diabetes and Endocrine Journal, 2018.46:21

## **Academic Referees (Two)**

### **Referee -1**

Prof Dr Peter J Little  
Head , School of Pharmacy  
Faculty of Health and Behavioral Science  
The University of Queensland  
Australia Center for Excellence  
20,Cornwall street,Woolloongabba QLB 4102  
Call: +61733461701  
E-mail: [p.little@uq.edu.au](mailto:p.little@uq.edu.au)

### **Referee-2**

Prof Dr Begum Rokeya  
Head, Department of Pharmacology  
Bangladesh University of Health Science (BUHS)  
Mirpur, Dhaka-1216, Bangladesh  
Call: +88 01711811350  
E-mail: [b\\_rokeya@yahoo.com](mailto:b_rokeya@yahoo.com)